

AMENDMENT TO CLAIMS

Listing of Claims:

1. (PREVIOUSLY PRESENTED) Vehicle power and telematic control system

comprising:

5 an electronic controller;

a fuel cell module; and

a telematic appliance,

wherein the electronic controller couples electrical power from the fuel cell module adaptively to the telematic appliance, a software being run by the controller to manage the

10 power adaptively by redistributing such power reactively or proactively according to a determined load ratio, or power usage proportion.

2. (ORIGINAL) The control system of claim1 wherein:

15 the electronic controller stores the electrical power from the fuel cell module by recharging a lithium-ion battery.

3. (ORIGINAL) The control system of claim 1 wherein:

the electronic controller configures the fuel cell module to generate a 42-volt or 14-volt electrical power.

20

4. (ORIGINAL) The control system of claim 1 wherein:

the electronic controller couples to the fuel cell module or the telematic appliance through a shared connection through which a control signal and a power signal is provided.

5. (ORIGINAL) The control system of claim 1 wherein:

the electronic controller couples electrical power from a generator to the telematic appliance.

5 6. (ORIGINAL) The control system of claim 1 wherein:

the electronic controller controls the electrical power in response to a sensor signal provided by the telematic appliance.

7. (ORIGINAL) The control system of claim 6 wherein:

10 the sensor signal represents a fault or error condition in the telematic appliance.

8. (ORIGINAL) The control system of claim 6 wherein:

the sensor signal represents a media format or load in the telematic appliance.

15 9. (ORIGINAL) The control system of claim 6 wherein:

the sensor signal represents a location or jurisdiction of the telematic appliance.

10. (ORIGINAL) The control system of claim 1 wherein:

the electronic controller controls the electrical power in response to a measured quality of
20 an electrical power signal.

11. (ORIGINAL) The control system of claim 1 wherein:

the electronic controller controls the electrical power according to a predicted function or scheduled service in the telematic appliance.

12. (PREVIOUSLY PRESENTED) Vehicle power and telematic control method

5 comprising steps of:

coupling an electronic controller to a fuel cell module and a telematic appliance; and

controlling adaptively by the electronic controller the fuel cell module electrical power to generate electrical power for the telematic appliance, a software being run by the controller to control the power adaptively by redistributing such power reactively or proactively according
10 to a determined load ratio, or power usage proportion.

13. (PREVIOUSLY PRESENTED) Automotive electrical apparatus comprising:

a multi-level voltage source; and

a telematic system, coupled to the multi-level voltage unit for accessing a first and second
15 voltage source, a software being run to manage the voltage source adaptively by redistributing power of such voltage source reactively or proactively according to a determined load ratio, or power usage proportion.

14. (PREVIOUSLY PRESENTED) The apparatus of claim 13 wherein:

20 the first voltage source comprises a 36-42 volt-source or bus, and the second voltage source comprises a 12-14 volt-source or bus.

15. (PREVIOUSLY PRESENTED) The apparatus of claim 13 wherein:

a DC-DC converter couples the first voltage source to the second voltage source.

25

16. (PREVIOUSLY PRESENTED) The apparatus of claim 13 wherein:

the telematic system is coupled adaptively to the voltage unit, thereby enabling such voltage unit to provide multi-level voltages to one or more telematic appliances from the group

consisting of a wireless or satellite network or communications device, a digital video or audio media or entertainment device, a global positioning or navigational locator or guidance device, and an image camera, radar or biometric sensor device.

5 17. (PREVIOUSLY PRESENTED) The apparatus of claim 13 wherein:

the first or second voltage source comprises a fuel cell stack, whereby such stack enables multi-level voltages to be generated by one or more fuel cells from the group consisting of a proton exchange membrane fuel cell, a tubular solid oxide fuel cell, an alkaline fuel cell, a phosphoric acid fuel cell, and a molten carbonate fuel cell.

10

18. (PREVIOUSLY PRESENTED) The apparatus of claim 13 further comprising:

a body or power train controller, coupled to the multi-level voltage unit for accessing the first and second voltage source.

15 19. (PREVIOUSLY PRESENTED) The apparatus of claim 13 wherein:

the multi-level voltage unit is coupled to a vehicle multimedia bus or a human-machine interface.

20. (PREVIOUSLY PRESENTED) The apparatus of claim 13 wherein:

20 the telematic system comprises an optical, magnetic or biometric sensor.

21. (CANCELED)

25